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Subs	Substitute for form 1449/PTO			Complete if Known		
				Application Number	10/589,379 Conf. #7039	
IN	FORMATION	1 DI	SCLOSURE	Filing Date	August 14, 2006	
S	FATEMENT 	3Y /	APPLICANT	First Named Inventor	Daniel J. Arriola	
				Art Unit	1796	
	(Use as many sheets as necessary)			Examiner Name	Choi, Ling Siu	
Sheet	sheet 1 of 8		Attorney Docket Number	63558C		

	U.S. PATENT DOCUMENTS							
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ² (<i>if known</i>)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear			
	AA*	US-5,391,629	02-21-1995	Turner et al.				
	AB*	US-6,566,446	05-20-2003	Parikh et al.				
	AC*	US-3,873,642-A	03-25-1975	Jezl				
	AD*	US-5,468,810-A	11-21-1995	Hayakawa et al.				
	AE*	US-5,594,080-A	01-14-1997	Waymouth et al.				
	AF*	US-5,610,253-A	03-11-1997	Hatke et al.				
	AG*	US-5,733,980-A	03-31-1998	Cozewith et al.				
	AH*	US-5,798,420-A	08-25-1998	Cozewith et al.				
	AI*	US-5,969,070-A	10-19-1999	Waymouth et al.				
	AJ*	US-6,114,457-A	09-05-2000	Markel et al.				
	AK*	US-6,147,180-A	11-14-2000	Markel et al.				
	AL*	US-6,262,203-B1	07-17-2001	Chien et al.				
	AM*	US-6,566,544-B1	05-20-2003	Waymouth et al.				
	AN*	US-20040121922	06-24-2004	Okada et al.				
	AO*	US-20030027954	02-06-2003	Becke et al.				
	AP*	US-20040092662	05-13-2004	Goto et al.				
	AQ*	US-6,187,424	02-13-2001	Kjellqvist et al.				
	AR*	US-6,197,404	03-06-2001	Varona				
	AS*	US-6,362,252	03-26-2002	Prutkin				

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Initials*	No.1	Country Code ³ -Number ⁴ -Kind Code ⁵ (# known)	Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages Or Relevant Figures Appear				
	BA	WO-95/27746-A1	10-19-1995	Exxon Chemical Patents Inc		1			
	BB	WO-95/27745-A1	10-19-1995	Exxon Chemical Patents Inc					
	BC	WO-9834970-A1	08-13-1998	Exxon Chemical Patents Inc					
	BD	WO-9935171-A1	07-15-1999	Univ Leland Stanford Junior et al.					
	BE	WO-0037514-A1	06-29-2000	Exxon Chemical Patents Inc					
	BF	WO-02/066540-A2	08-29-2002	Basell Poliolefine Spa et al.					

Examiner	" ' A: A: '/	Date	0.500/0.5/00
Signature	/Lina Siu Choi/	Considered	02/10/2010

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l IN	VEORMATION	1 DI	SCLOSURE	Filing Date	August 14, 2006	
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				Art Unit	1796	
	(Use as many sheets as necessary)			Examiner Name	Choi, Ling Siu	
Sheet	heet 2 of 8 Attorney Docket Number 63558C		63558C			

			U.S. PA	TENT DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ² (<i>if known</i>)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AT*	US-6,537,472	03-25-2003	Masubuchi	
	AU*	US-6,815,023	11-09-2004	Tatarka et al.	
	AV*	US-7,005,395	02-28-2006	Zafiroglu et al.	
	AW*	US-20030195128	10-16-2003	Deckman et al.	
	AX*	US-20030216518	11-20-2003	Tau et al.	
	AY*	US-20040082750	04-29-2004	Tau et al.	
	AZ*	US-20040192147	09-30-2004	Smith et al.	
	AA1*	US-20050009993	01-13-2005	Morioka et al.	
	AB1*	US-20060030667	02-09-2006	Yalvac et al.	
	AC1*	US-20040158011	08-12-2004	Jain et al.	
	AD1*	US-20080299857	12-04-2008	Harding et al.	
	AE1*	US-5,624,991	04-29-1997	Harada et al.	
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	AG1*	US-6,455,638	09-24-2002	Laughner et al.	
	AH1*	US-2,973,344	02-28-1961		
	Al1*	US-4,146,492	03-27-1979	Cusano et al.	
	AJ1*	US-4,299,931	11-10-1981	Coran et al.	
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Initials*	No.1	Country Code ³ -Number ⁴ -Kind Code ⁵ (# known)	Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages Or Relevant Figures Appear				
	BG	WO-03014046-A1	02-20-2003	Bp Chem Int Ltd et al.					
	ВН	EP-0274906-A2	07-20-1988	Mitsubishi Petrochemical Co					
	BI	EP-0958313B1-A1	11-24-1999	Exxon Chemical Patents Inc					
	BJ	EP-1262498-A2	12-04-2002	Mitsui Chemicals Inc					
	вк	JP-2002-206007A-A	07-26-2002	Nat Inst Of Adv Ind & Technol et al.					
	BL	JP-2004-204058A-A	07-22-2004	Mitsui Chemicals Inc		П			

Examiner		Date	0.500/0.5100
Signature	/Ling 5iu Cnoi/	Considered	02/10/2010

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				Art Unit	1796	
	(Use as many sheets as necessary)			Examiner Name	Choi, Ling Siu	
Sheet	heet 3 of 8		Attorney Docket Number	63558C		

			U.S. PA	TENT DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ² (# known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AM1*	US-4,780,228	10-25-1988	Gardiner et al.	
	AN1*	US-5,068,047	11-26-1991	Chung et al.	
	AO1*	US-5,266,626	11-30-1993	Hert et al.	
	AP1*	US-5,322,728	06-21-1994	Davey et al.	
	AQ1*	US-5,597,881	01-28-1997	Winter et al.	
	AR1*	US-5,783,531	07-21-1998	Andrew et al.	
	AS1*	US-5,916,953	06-29-1999	Jacoby et al.	
	AT1*	US-6,025,448	02-15-2000	Swindoll et al.	
	AU1*	US-6,096,668	08-01-2000	Abuto et al.	
	AV1*	US-6,121,402	09-19-2000	Machida et al.	
	AW1*	US-6,136,937	10-24-2000	Lai et al.	
	AX1*	US-4,798,081	01-17-1989	Hazlitt et al.	
	AY1*	US-6,008,262	12-28-1999	McKay et al.	
	AZ1*	US-2,997,432	08-22-1961	•	
	AA2*	US-5,868,984	02-09-1999	Winter et al.	
	AB2*	US-5,892,076	04-06-1999	Nickias	
	AC2*	US-5,994,255	11-30-1999	Nickias et al.	
	AD2*	US-6,323,284	11-27-2001	Peacock	
	AE2*	US-20030088037	05-08-2003	Stevens et al.	

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Examiner	Cite	Foreign Patent Document	Publication	Name of Patentee or	Pages, Columns, Lines,				
Initials*	No.1	Country Code ³ -Number ⁴ -Kind Code ⁵ (# known)	Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages Or Relevant Figures Appear	T⁵			
	ВМ	EP-1026184-A1	08-09-2000	Grand Polymer Co Ltd					
	BN	WO-05/090426-A1	09-29-2005	Dow Global Technologies Incet al.					
	ВО	EP-02079322-A1	07-22-2009	Symrise Gmbh & Co Kg					
	BP	EP-0877050-A2	11-11-1998	Dow Chemical Co		П			
	BQ	JP-2004204058-A	07-22-2004	Mitsui Chemicals Inc					
	BR	WO-2004046214-A2	06-03-2004	Exxonmobil Chem Patents Incet al.					

Examiner	/Lina Ciu Chai/	Date	02/10/2010
Signature	/Ling 5lu Unoi/	Considered	02/10/2010

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l s	TATEMENT B	3Y /	APPLICANT	First Named Inventor	Daniel J. Arriola	
				Art Unit	1796	
	(Use as many sh	eets a:	s necessary)	Examiner Name	Choi, Ling Siu	
Sheet	4	of	8	Attorney Docket Number	63558C	

			U.S. PA	TENT DOCUMENTS	
Examiner	Cite	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant
Initials*	No.1	Number-Kind Code ² (<i>if known</i>)	MM-DD-YYYY	Applicant of Cited Document	Figures Appear
	AF2*	US-20030195308	10-16-2003	Waymouth et al.	
	AG2*	US-6,380,341	04-30-2002	Waymouth et al.	
	AH2*	US-20020107341	08-08-2002	Murray et al.	
	Al2*	US-20020161141	10-31-2002	Mawson et al.	
	AJ2*	US-20040044154	03-04-2004	Kuo et al.	
	AK2*	US-20030153689	08-14-2003	Mehta et al.	
	AL2*	US-20030114623	06-19-2003	Mitani et al.	
	AM2*	US-6,169,151	01-02-2001	Waymouth et al.	
	AN2*	US-5,210,338	05-11-1993	Samsel	
	AO2*	US-5,276,220	01-04-1994	Samsel et al.	
	AP2*	US-6,444,867	09-03-2002	Samsel et al.	
	AQ2*	US-3,970,719	07-20-1976	Edmonds, Jr.	
	AR2*	US-4,039,632	08-02-1977	Edmonds, Jr.	
	AS2*	US-4,971,936	11-20-1990	Wilson et al.	
	AT2*	US-5,089,573	02-18-1992	Job	
	AU2*	US-5,118,767	06-02-1992	Job	
	AV2*	US-5,118,768	06-02-1992	Job et al.	
	AW2*	US-5,134,209	07-28-1992	Job et al.	
	AX2*	US-5,229,477	07-20-1993	Job et al.	

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	вт	WO-03022890-A1	03-20-2003	Exxonmobil Chem Patents Inclet al.					
	BU	EP-1197500-A1	04-17-2002	Mitsui Chemicals Inc					
	BV	WO-9834970-A1	08-13-1998	Exxon Chemical Patents Inc		П			
	BW	EP-470171-A1	02-12-1992	Shell Oil Co					
	BX	EP-500530-A1	09-02-1992	Shell Oil Co					

Examiner		Date	0.500/0.5/00
Signature	/Ling Siu Ghoi/	Considered	02/10/2010

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	AA3*	US-5,294,581	03-15-1994	Job	
	AB3*	US-5,543,458	08-06-1996	Hoxmeier et al.	
	AC3*	US-5,550,194	08-27-1996	Hoxmeier et al.	
	AD3*	US-5,693,713	12-02-1997	Hoxmeier et al.	
	AE3*	US-2004/034179 A1	02-19-2004	Loveday Donald R Et Al	
	AF3*	US-2003/171513A1	09-11-2003	Mawson Simon Et AL	
	AG3*	US-2004044154	04-03-2004		
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Examiner Cite Initials* No.1		Country Code ³ -Number ⁴ -Kind Code ⁵ (# known)	Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages Or Relevant Figures Appear	T ⁶		
	BY	WO-90/12816-A1	11-01-1990	Shell Oil Co				
	BZ	WO-91/00875-A1	01-24-1991	Shell Oil Co				
	BA2	EP-0763553A	03-19-1997	Mitsui Petrochemicals				
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Signature	/Ling Siu Choi/	Considered	l 02/10/2010

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10589379 - GAU: 1796 Receipt date: 11/18/2009

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Sheet	6	of	8	Attorney Docket Number	63558C	

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Examiņer Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
	CA	LIEBER SuSANNA ET AL: "Propene polymeriztion with catalyst mixtures containing different ansa-zirconocenes:chain transfer to alkylaluminum cocatalystes and formation of steroblock polymers" MACROMOLECUES; MACROMOLECULES Dec 2000 ACS, Washington. DC. USA, vol 33, no. 25, December 2000 (2000-12), Pages 9192 - 9199	
	СВ	PRZYBYLA. FINK: "Two Different on the same silica supported metallocene catalystes, activated by various trialkylaluminums" ACTA POLYMERICA, vol. 50, 21 April 1999 (1999-04-21), pages73-83.	
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	CD	TANIM B S ET AL: "Blends of single-site linear and branched polyethylene. I. Thermal characterisation" POLYMER, ELESVIER SCIENCE PUBLISHERS B.V., GB. vol 42, no 12, June 2001 (2001-06), pages 5389 - 52399	
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	CF	YOON J-S ET AL: "Thermal and mechanical properties of ethylene/alpha-olefin copolymers produced over (2-MeInd) 2ZrC12/MAO system" June 2000 (2000-06, POLYMER ELSEVIER SCIENCE PUBLISHERS B.V. GB. pages 4523 4530.	
	CG	BRUASETH I ET AL: "Crystallization analysis fractionation of ethene/1-hexene coployres madee with the MAO-activated dual -site (1,2,4- Me3Cp" October 2004 (2004-10), POLYMER, ELESEVIER SCIENCE PUBLISHERS B.V. GB. pages 7853 - 7861.	
	сн	GRAEF S M ET AL: "Copolymerization of propylene with higher alpha-olefins in the presence of the syndiospecific catalyste i -Pr (Cp) (9-Flu) 1 January 2002, J POLYM SCI PART A; JOURNAL OF POLYMER vol. 40, nr. Pages 128 - 140	
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	CJ	BASAK SHAM: " Zurcon Z20/Z22" 10 August 2002 (2002-08-10), BUSAK SHAMM BAN , CRISSER, the whole document	

Examiner	Himm Chy Chail	Date	00/40/0040
Signature	/Ling Siu Choi/	Considered	02/10/2010

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Sub	stitute for form 1449/PTO			Complete if Known		
				Application Number	10/589,379 Conf. #7039	
l IN	NFORMATION	1 DI	SCLOSURE	Filing Date	August 14, 2006	
l s	TATEMENT B	3Y /	APPLICANT	First Named Inventor	Daniel J. Arriola	
				Art Unit	1796	
	(Use as many sh	eets as	s necessary)	Examiner Name	Choi, Ling Siu	
Sheet	7	of	8	Attorney Docket Number	63558C	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
	ск	Coates, Hustad, and Reinartz in Angew, Chem. Int. Ed. 41, 2236-2257 (2002);	
	CL	Liu and Rytter, Macromolecular Rapid Comm. 22,952-956 (2001);	
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	cs	Lieber And Brintzinger (Macromol. 3, 9192 -9199 (2000);	
	СТ	Rytter, et al. Polymer, 45, 7853 -7861;	

Examiner	Il ina Ciu Chail	Date	00/40/0040
Signature	/Ling 5iu Unoi/	Considered	02/10/2010

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	CU	JAC, 2004, 126, 10701 - 10712, Gibson et al	
	CV	63558C EPO Prosecution	
	CW	63558C PCT Search Report	
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